MODIS Technical Team Meeting
Thursday, December 7, 2000
1:30 PM

Vince Salomonson chaired the meeting. Present were Sol Broder, Bill Barnes, Wayne Esaias, Harry Montgomery, Eric Vermote, Steve Platnick, Bruce Guenther, Mike Roberto, Bob Murphy, Steve Kempler, Ed Masuoka, and Barbara Conboy, with Rebecca Lindsey taking the minutes.

1.0 Schedule of Upcoming events

· AGU Fall Meeting San Francisco, CA	December 15-19
· MCST Meeting Columbia Sheraton Hotel	January 22, 2001 (afternoon)
· Land Validation Meeting Columbia Sheraton Hotel	January 22-23, 2001
· Ocean Group Meeting Columbia Sheraton Hotel	January 23, 2001
· Atmosphere Group Meeting GSFC (Bldg. 33, H114)	January 23, 2001
· MODIS Science Team Meeting Columbia Sheraton Hotel	January 24 - 26, 2001
· EOS Investigator Working Group meeting Ft. Lauderdale, Florida	January 30 - February 1, 2001
· SWGD Data Distribution Workshop	February 1, 2001 (at the IWG)

2.0 Meeting Minutes

2.1 MCST

Guenther reported that MCST had delivered a new LUT to SDST that has a correction for the 5-micron thermal leak in the 500-m SWIR bands. The correction is subsample-dependent and necessitated a code change to handle the correction. The code change (Version 2.5.4) was also delivered to SDST, and the GDAAC has run it from the command line already. It is progressing easily and quickly through integration and test. Users who wish to evaluate the efficacy of this correction need to wait for production data on L1B that is created with V 2.5.4.

Salomonson emphasized that there needs to be a cohesive effort to produce consistent Level 1B data as soon as possible and to introduce adjustments at less frequent intervals. This needs to be done so as to give the user community a consistent and useful data set over several weeks so that they can test these data sets or use them for scientific studies as appropriate. The interval at which improvements/adjustments are introduced needs to be carefully considered so as to balance the need for a consistent Level 1B data set with improvements that will be of scientific benefit.

2.2 Oceans Update

Esaias reported that early next week (the week of December 10th) Oceans will be delivering the LUTs necessitated by the switch to B-side electronics and the change in focal plane bias configurations (Itwk/Vdet). They could be in operations by late next week. By the time these are in operations, some data will have been processed without a correction, but December may be all corrected. He reported that Eddie Kearns says that the tables handle detector striping, but they have not been able to resolve the issue of mirror-side RVS differences.

Esaias also reported that Oceans is finding good utility with the University of Wisconsin Cloud Mask. In addition, if the reported accuracy of the Atmosphere discipline's ozone measurements is correct, Oceans may be able to use those measurements for ozone correction. Esaias pointed out that this will add a product dependency, but that it will help with ozone correction by using simultaneous values.

Esaias complimented Dennis Clark's MOBY crew, who swapped MOBY buoys in 24 hours. Normally this is a three-day operation. They used the additional days to do shipboard comparisons of MODIS data. They now have three good comparison days.

Esaias passed around a draft of an article on MODIS data availability that Lee Kyle is preparing for a Goddard DAAC newsletter. Salomonson indicated to Kempler that we would like to review and edit any MODIS-related pieces.

Lastly, Esaias reported that David Herring has several images and stories involving Oceans products that are pending approval to be used as press releases for the Earth Observatory.

2.3 Project Update

Salomonson gave a summary of the ESSAC meeting he had attended December 5th and 6th at NASA Headquarters. He found attending the meeting to be quite useful and summarized some points that he heard that pertained to MODIS and related matters.

2.4 SDST

Masuoka reported that Aqua MOSS tests had taken place and things looked good. They did not have to stop producing data in order to run the tests.

2.5 NOAA/NESDIS Update
(Bruce Ramsay provided this update on November 30th, before the meeting for that week was cancelled.)

2.5.1 Office of Research and Applications (ORA)

Dr. Paul Menzel informed Ramsay that near-real-time MODIS Level 1B data over the CONUS will be made available to ORA in December or January 2001 from the Cooperative Institute for Meteorological Satellite Studies MODIS Direct Broadcast station in Madison, WI, within 90 to 120 minutes from overpass. A subset of MODIS bands necessary for the experimental processing of MODIS snow and ice maps will be acquired by ORA for evaluation and validation of near-real-time products.

At the invitation of Dr. Dorothy Hall, Ramsay participated in a planning session for the January-February 2001 MODIS snow product validation survey. Data sets planned for collection include those from MODIS, Landsat ETM+, U.S. Cooperative Stations, and the field survey, as well as AVHRR/3, AMSU, GOES, and SSM/I. The Polar Program Office, Office of Systems Development, NESDIS, intends to fund Ramsay's participation in the MODIS field work as part of the Global Blended Snow Depth experimental development project proposed by NESDIS Land Surface Product Oversight Panel.

2.5.2 Office of Satellite Data Processing and Distribution (OSDPD)

The NOAA Operational Significant Event Imagery Support Team, OSDPD, produced an early MODIS test image of the east coast of North America using channels 4, 5, and 6. The image was provided via Daily Operational Significant Event Imagery Report #335, 30 November 2000, and is also located at the URL below.

http://www.osei.noaa.gov/Events/Current/UNImodis226_MD.jpg

Gene Legg will continue to be the OSDPD Point of Contact for current information on MODIS operations in NESDIS.

3.0 Action Items Carried Forward

Summary of Items Closed

3.1 MODIS Science Team: Send updates on MODIS metadata terms/valids to Skip Reber (reber@skip.gsfc.nasa.gov). These are terms that enable users to search MODIS data. This is part of a request to the Terra Instrument teams to update metadata terms.
Status: Closed.

3.2 Masuoka: Represent MODIS concerns on data throughput to EDOS.
Status: Closed. The Review Committee is now preparing a report articulating the impacts to the community.

3.3 Need discussion between SDST and NOAA on completeness of data and process by which we can get more rapid turn around on snow cover and also perhaps sea surface temperature.

Status: Closed. Discussions have resulted in proactive systems administration by NASA with respect to the NOAA MODIS processing system, and communication continues on a routine basis.

3.4 Justice to share with discipline leaders, Salomonson, and Murphy viewgraphs of presentation he gave at Sarah Grave's committee meeting.

Status: Closed.

3.5 Justice to provide an informal report to Salomonson about what went on at that meeting.

Status: Closed.

Items Open

3.6 Salomonson to send an email to science team about preparing presentations/posters for the IWG meeting.

Status: Open.

3.7 Kempler to provide a hardware upgrade schedule, including direction on processing power.

Status: Open.

3.8 Discipline leads to meet to resolve the issue of beta-release code and science-quality code, and what we need to say about it.

Status: Open.

4.0 New Action Items

4.1 Murphy to email Vermote with a list of definitions about product-quality levels that could be considered for MODIS products.

Status: Closed. Murphy distributed email to entire team.

4.2 MAST to provide Salomonson with the URL for an anonymous ftp site housing the recent HQ presentation in Power Point and pdf.

Status: Closed.